

|    |     |    |   |      |      |   |   |     |    |     |
|----|-----|----|---|------|------|---|---|-----|----|-----|
| -  | 12  | 11 | 0 | Lchg |      |   |   |     |    |     |
| SP | &&+ | -  | 0 | -    |      |   |   |     |    |     |
| 1  | A   | J  | / | 1    |      |   |   |     |    |     |
| 2  | B   | K  | S | 2    |      |   |   |     |    |     |
| 3  | C   | L  | T | 3    |      |   |   |     |    |     |
| 4  | D   | M  | U | 4    |      |   |   |     |    |     |
| 5  | E   | N  | V | 5    |      |   |   |     |    |     |
| 6  | F   | O  | W | 6    |      |   |   |     |    |     |
| 7  | G   | P  | X | 7    |      |   |   |     |    |     |
| 8  | H   | Q  | Y | 8    |      |   |   |     |    |     |
| 9  | I   | R  | Z | 9    |      |   |   |     |    |     |
| :  | :   | ]  | ≤ | !!   | '    | Π | # | 2-8 |    |     |
| Ä  | #   | =  | . | Ü    | \$\$ | , |   | 3-8 |    |     |
| Ö  | @   | '  | < | <    | )    | * | % | %   | (  | 4-8 |
| '  | :   | (  | ( | )    | )    | ] | - | -   | 10 | 5-8 |
| =  | =   | >  | + | +    | <    | ; | > | >   | '  | 6-8 |
| [  | "   | ^  |   |      | ↑    | → | ? | ?   | √  | 7-8 |

GR 143

PZ 12-0  
MZ 11-0

|     |     |     |     |     |     |     |     |   |      |
|-----|-----|-----|-----|-----|-----|-----|-----|---|------|
| 000 | 00L | 0L0 | 0LL | L00 | L0L | LL0 | LLL |   |      |
| 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   |   |      |
| NUL | ^   | SP  | 0   | J   | P   | @   | p   | 0 | 0000 |
| #   | ^   | !   | 1   | A   | Q   | a   | q   | 1 | 000L |
| "   | ^   | ~   | 2   | B   | R   | b   | r   | 2 | 00LO |
| \$  | ^   | ¤   | 3   | C   | S   | c   | s   | 3 | 00LL |
| >   | ^   | [   | 4   | D   | T   | d   | t   | 4 | 0L00 |
| √   | ^   | %   | 5   | E   | U   | e   | u   | 5 | 0L0L |
| ^   | ^   | &   | 6   | F   | V   | f   | v   | 6 | 0LLO |
| 10  | ^   | '   | 7   | G   | W   | g   | w   | 7 | 0LLL |
| {   | ^   | (   | 8   | H   | X   | h   | x   | 8 | L000 |
| }   | ^   | )   | 9   | I   | Y   | i   | y   | 9 | L00L |
| \$  | ^   | *   | :   | J   | Z   | j   | z   | A | L0LO |
| \   | <   | +   | ;   | K   | Ä   | k   | ö   | B | L0LL |
| ~   | π   | ,   | <   | L   | Ö   | l   | ö   | C | LL00 |
| LF  | °   | -   | =   | M   | Ü   | m   | ü   | D | LL0L |
| r   | -   | .   | >   | N   | l   | n   | ñ   | E | LLLL |
| γ   | ^   | /   | ?   | O   | -   | o   | ^   | F | LLLL |

DC1  
DC2

GR 144A

|    |    |    |     |   |   |
|----|----|----|-----|---|---|
| Bu | Zi |    |     |   |   |
| 0  | 1  | 0  | 1   |   |   |
| &  | E  | ¤  | 3   | 0 |   |
| T  | Z  | 5  | +   | 1 |   |
| CR | D  | CR | #   | 2 |   |
| O  | B  | 9  | *x? | 3 |   |
| SP | S  | SP |     | 4 |   |
| H  | Y  |    | 10  | 6 | 5 |
| N  | F  | ,  | [   | [ | 6 |
| M  | X  | .  | /   |   | 7 |
| LF | A  | LF | -   |   | 8 |
| L  | W  | )  | 2   |   | 9 |
| R  | J  | 4  | :   | : | A |
| G  | ZI | ]] | ZI  |   | B |
| I  | U  | 8  | 7   |   | C |
| P  | Q  | 0  | 1   |   | D |
| C  | K  | :  | (   |   | E |
| V  | BU | =  | BU  |   | F |

GR 145

115

|     |     |     |     |     |     |     |     |   |      |
|-----|-----|-----|-----|-----|-----|-----|-----|---|------|
| 000 | 00L | 0L0 | 0LL | L00 | L0L | LL0 | LLL |   |      |
| 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   |   |      |
| NUL | DLE | SP  | 0   | @   | P   | \   | p   | 0 | 0000 |
| SOH | DC1 | !   | 1   | A   | Q   | a   | q   | 1 | 000L |
| STX | DC2 | "   | 2   | B   | R   | b   | r   | 2 | 00LO |
| ETX | DC3 | #   | 3   | C   | S   | c   | s   | 3 | 00LL |
| EOT | DC4 | ¤   | 4   | D   | T   | d   | t   | 4 | 0L00 |
| ENQ | NAK | %   | 5   | E   | U   | e   | u   | 5 | 0L0L |
| ACK | SYN | &   | 6   | F   | V   | f   | v   | 6 | 0LLO |
| BEL | ETB | '   | 7   | G   | W   | g   | w   | 7 | 0LLL |
| BS  | CAN | (   | 8   | H   | X   | h   | x   | 8 | L000 |
| HT  | EM  | )   | 9   | I   | Y   | i   | y   | 9 | L00L |
| LF  | SUB | *   | :   | J   | Z   | j   | z   | A | L0LO |
| VT  | ESC | +   | ;   | K   | Ä   | k   | ö   | B | L0LL |
| FF  | IS4 | ,   | <   | L   | Ö   | l   | ö   | C | LL00 |
| CR  | IS3 | -   | =   | M   | Ü   | m   | ü   | D | LL0L |
| SO  | IS2 | .   | >   | N   | l   | n   | ñ   | E | LLLL |
| SI  | IS1 | /   | ?   | O   | -   | o   | ^   | F | LLLL |

GR 146

Zentralcode ZC 1

| 0000 | 000L | 00LO | 00LL | 0LOO | 0LOL | 0LLO | 0LLL | LOOO | LOOL | LOLO | LOLL | LLOO | LLOL | LLOO | LLOL | LLOO | LLOL |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0    | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | A    | B    | C    | D    | E    | F    |      |      |
| NUL  |      | SUB  | BEL  |      |      | "    | %    | ^    | +    | (    | 0    | A    | Q    | a    | q    | 0    | 0000 |
|      |      | EM   | DC1  |      |      | '    | S    | v    | -    | )    | 1    | B    | R    | b    | r    | 1    | 000L |
|      |      | CAN  | DC2  |      |      | ~    | #    | ~    | [    | 2    | C    | S    | c    | s    | 2    | 00LO |      |
|      |      |      | DC3  |      |      | ~    | \$   | ~    | ]    | 3    | D    | T    | d    | t    | 3    | 00LL |      |
|      |      |      | DC4  |      |      | ~    | ~    | ~    | ~    | 4    | E    | U    | e    | u    | 4    | 0LOO |      |
|      | NL   |      | FL   |      |      | ~    | ~    | ~    | ~    | 5    | F    | V    | f    | v    | 5    | 0LOL |      |
| SOH  | CR   |      |      |      |      | ~    | @    | ↑    | ~    | 6    | G    | W    | g    | w    | 6    | 0LLO |      |
| STX  | NF   |      |      |      |      | ~    | &    | =    | >    | 7    | H    | X    | h    | x    | 7    | 0LLL |      |
| ETX  | VT   |      |      |      |      | ~    | *    | #    | ~    | 8    | I    | Y    | i    | y    | 8    | LOOO |      |
| EOT  |      |      |      |      |      | ~    | ~    | ~    | ~    | 9    | J    | Z    | j    | z    | 9    | LOOL |      |
| ENQ  |      |      |      |      |      | ~    | ~    | ~    | ~    | ~    | K    | A    | k    | a    | A    | LOLO |      |
| ACK  | HT   |      |      |      |      | ~    | \    |      | <    | :    | L    | O    | l    | o    | B    | LOLL |      |
| DLE  | BS   | IS4  |      |      |      | ~    | ~    | ~    | >    | ;    | M    | U    | m    | u    | C    | LLOO |      |
| NAK  | ESC  | IS3  |      |      |      | ~    | ~    | ~    | ~    | !    | N    | ~    | n    | ~    | D    | LLOL |      |
| SYN  | SO   | IS2  |      |      |      | ~    | ~    | ~    | ~    | ?    | O    | ~    | o    | ~    | E    | LLOO |      |
| ETB  | SI   | IS1  |      |      |      | ~    | ~    | ~    | ~    | ~    | ~    | P    | ~    | p    | DEL  | F    | LLOL |

(entsprechend  
Werknorm  
2N 0812.511  
Juli 1972)

☐ Diese Felder können in Verbindung mit dem ISO-7-Bit-Code andere Schriftzeichen enthalten

▨ Nach DIN 66003 (ISO-7-Bit) Alternative-Belegung möglich

Lochkartencode KC 4

| Lochung | 12 | 11 | 0 | -  | 12-0 | 12-11 | 11-0 | 12-11-0 | 12            | 11           | 0              | -             | 12-0 | 12-11         | 11-0 | 12-11-0 | Lochung |
|---------|----|----|---|----|------|-------|------|---------|---------------|--------------|----------------|---------------|------|---------------|------|---------|---------|
| -       | &  | -  | 0 | SP | {    |       | }    |         |               |              |                |               |      |               |      |         | 1-8     |
| 1       | A  | J  | / | 1  | a    | j     | -    |         | (TC 1)<br>SOH | DC1          |                |               |      |               |      |         | 1-9     |
| 2       | B  | K  | S | 2  | b    | k     | s    |         | (TC 2)<br>STX | DC2          |                | (TC 9)<br>SYN |      |               |      |         | 2-9     |
| 3       | C  | L  | T | 3  | c    | l     | t    |         | (TC 3)<br>ETX | DC3          |                |               |      |               |      |         | 3-9     |
| 4       | D  | M  | U | 4  | d    | m     | u    |         |               |              |                |               |      |               |      |         | 4-9     |
| 5       | E  | N  | V | 5  | e    | n     | v    |         | FE 1<br>(HT)  |              | FE 2<br>(LF)   |               |      |               |      |         | 5-9     |
| 6       | F  | O  | W | 6  | f    | o     | w    |         |               | FE 0<br>(BS) | (TC 10)<br>ETB |               |      |               |      |         | 6-9     |
| 7       | G  | P  | X | 7  | g    | p     | x    |         | DEL           |              | ESC            | (TC 4)<br>EOT |      |               |      |         | 7-9     |
| 8       | H  | Q  | Y | 8  | h    | q     | y    |         |               | CAN          |                |               |      |               |      |         | 8-9     |
| 9       | I  | R  | Z | 9  | i    | r     | z    |         |               | EM           |                |               | NUL  | (TC 7)<br>DLE |      |         | 1-8-9   |
| 2-8     | [  | ]  | \ | :  |      |       |      |         |               |              |                |               |      |               |      |         | 2-8-9   |
| 3-8     | .  | ~  | , | #  |      |       |      |         | FE 3<br>(VT)  |              |                |               |      |               |      |         | 3-8-9   |
| 4-8     | <  | *  | % | @  |      |       |      |         | FE 4<br>(FF)  | IS 4<br>(FS) |                | DC 4          |      |               |      |         | 4-8-9   |
| 5-8     |    |    | - | ~  |      |       |      |         | FE 5<br>(CR)  | IS 3<br>(GS) | (TC 5)<br>ENQ  | (TC 8)<br>NAK |      |               |      |         | 5-8-9   |
| 6-8     | +  | ~  | > | =  |      |       |      |         | SO            | IS 2<br>(RS) | (TC 6)<br>ACK  |               |      |               |      |         | 6-8-9   |
| 7-8     | !  | ~  | ? | "  |      |       |      |         | SI            | IS 1<br>(US) | BEL            | SUB           |      |               |      |         | 7-8-9   |

Lochung gemäß IBM-Locher 29

GR 372

| 0000 | 000L | 00LO | 00LL | 0LO0 | 0LOL | 0LLO | 0LLL | LO00 | LO0L | LOLO | LOLL | LLO0 | LLOL | LLLO | LLLL |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0    | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | A    | B    | C    | D    | E    | F    |
| NUL  |      | SUB  | BEL  |      |      | "    | %    | ^    | +    | (    | 0    | A    | Q    | a    | q    |
|      |      | EM   | DC1  |      |      | '    | \$   | v    | -    | )    | 1    | B    | R    | b    | r    |
|      |      | CAN  | DC2  |      |      | #    |      |      |      | [    | 2    | C    | S    | c    | s    |
|      |      |      | DC3  |      |      | .    | \$   | /    | /    | ]    | 3    | D    | T    | d    | t    |
|      |      |      | DC4  |      |      | ~    |      |      |      |      | 4    | E    | U    | e    | u    |
|      | NL   |      | FL   |      |      | -    |      |      |      |      | 5    | F    | V    | f    | v    |
| SOH  | CR   |      |      |      |      | @    | ↑    |      | <    |      | 6    | G    | W    | g    | w    |
| STX  | NF   |      |      |      |      | &    |      | =    | >    |      | 7    | H    | X    | h    | x    |
| ETX  | VT   |      |      |      |      | *    |      | +    | +    |      | 8    | I    | Y    | i    | y    |
| EOT  |      |      |      |      |      |      |      | .    | .    |      | 9    | J    | Z    | j    | z    |
| ENQ  |      |      |      |      |      |      |      |      |      |      |      | K    | A    | k    | a    |
| ACK  |      | HT   |      |      |      | \    |      | <    | :    |      |      | L    | O    | l    | o    |
| DLE  |      | BS   | IS4  |      |      | π    |      | >    | ;    |      |      | M    | U    | m    | ü    |
| NAK  |      | ESC  | IS3  |      |      | 10   |      | ≤    | !    |      |      | N    | n    | ß    |      |
| SYN  |      | SO   | IS2  |      |      | =    |      | ≡    | ?    |      |      | O    | o    |      |      |
| ETB  |      | SI   | IS1  |      |      | π    |      |      |      | SP   | (    | P    | p    | DEL  |      |

(entsprechend  
Werknorm  
2N 0812.511  
Juli 1972)

□ Diese Felder können in Verbindung mit dem ISO 7-Bis-Code andere Schriftzeichen enthalten

▣ Nach DIN 66002 (ISO 7-Bis): Alternative-Betragung möglich

Fluchtsymbole

Jedes Kommando muß durch ein Fluchtsymbol eingeleitet werden. Man unterscheidet ein codeabhängiges- und ein codeunabhängiges Fluchtsymbol.  
Codeunabhängiges Fluchtsymbol:  
Es leitet die mit X beginnenden Vermittlerkommandos ein.

| Codeinstellung | Kartenlochung | Zeichen |
|----------------|---------------|---------|
| KC1            | 12-11-5-8     | )       |
| KC2            | 12-11-5-8     | )       |
| KC3            | 12-11-5-8     |         |
| KC4            | 12-11-5-8     |         |

Es folgt eine Angabe über den Lochkardencode.  
Codeinstellung      Kartenlochung  
KC1                    1  
KC2                    2  
KC3                    3  
KC4                    4  
Abgeschlossen werden die Vermittlerkommandos durch das codeabhängige Fluchtsymbol, gefolgt von einem Punkt.

Codeabhängiges Fluchtsymbol:  
Es leitet alle, außer der mit X beginnenden, Kommandos ein.

| Codeinstellung | Kartenlochung | Zeichen    |
|----------------|---------------|------------|
| KC1            | 0-2-8         | ◇          |
| KC2            | 0-2-8         | Leerstelle |
| KC3            | 11-3-8        | \$         |
| KC4            | 3-8           | #          |

An den Fernschreibern und Sichtgeräten gilt ein einheitliches Fluchtsymbol (codeunabhängig und codeabhängig).